

**ABSTRACT OF THE DISCLOSURE**

A mainframe connection system usable with multiple software applications is provided. The mainframe connection system operates between a client device, a server, and a mainframe computer. The mainframe connection system includes a set of client tools residing on the client device. The client tools comprise mainframe connection tools for creating a reference to a server object on the server, messaging tools for requesting a connection and sending a request string, and access tools for accessing a result stored on the server. A set of server tools residing on the server comprises interfacing tools for utilizing a server object for sending the request string to the mainframe computer and receiving a response from the mainframe computer, and server storage means for storing a result received from the mainframe computer. A set of mainframe tools comprises a main controller for receiving and interpreting the request string and selecting a program for obtaining a result, and result transmission tools for transmitting the result to the server for storage by the server storage means. A corresponding method connects the client device with the mainframe computer.